
Electronic Enterprise Integration Committee

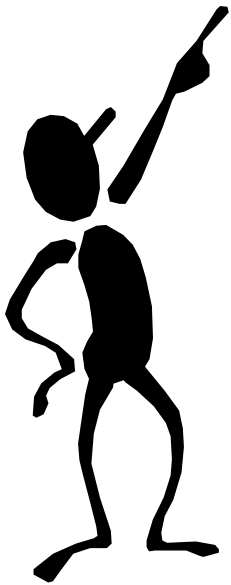
Overview of Aerospace Industry IUID Data Exchange Guideline

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UID Agenda



- **DoD Vision for UID (Unique Item Identification)**
- **What Does UID Mean to Our Industry?**
- **Common Industry Approach**
- **Aerospace IUID Data Exchange Guideline**
 - **Project Steps**
 - **Guideline Highlights**
- **IUID Industry Flat File Format & Dictionary**
- **Sample of IUID Industry Excel Format**
- **Partner to Prime to WAWF Data Flow**
- **Resource Links**
- **Team Members**

DoD Vision for UID (Unique Item Identification)



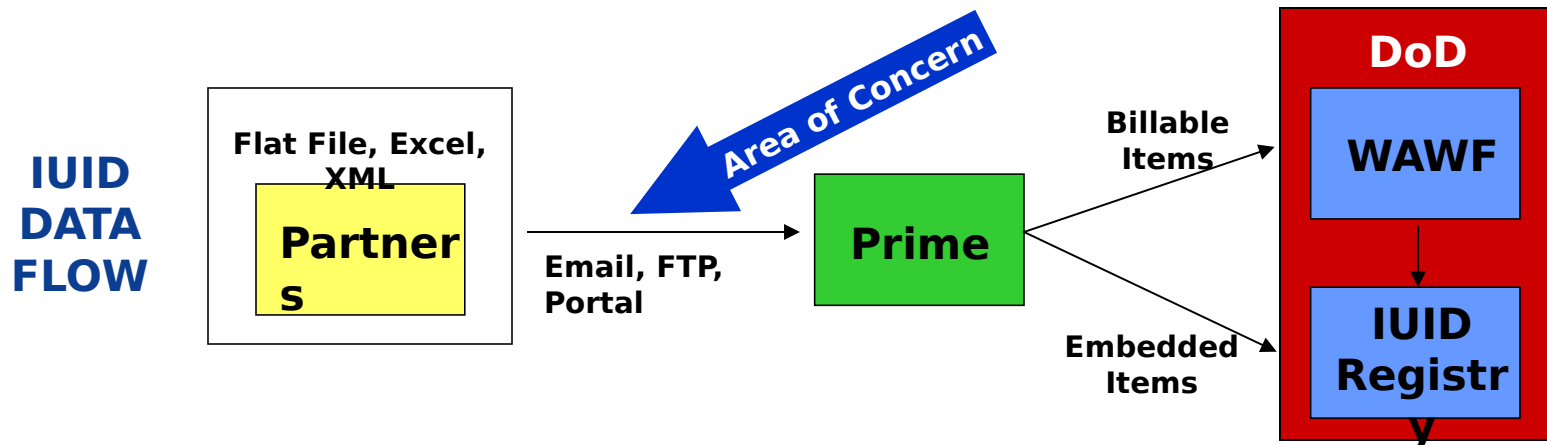
The Department of Defense defined the following strategic policy:

- Data integration across Department, Government, and Industry systems as envisioned by the DoD Business Enterprise Architecture
- Improved item management and accountability
- Improved asset visibility and life-cycle management
- Clean audit opinions on property, plant, equipment, operating materials, and supplies portions of DoD financial records

What Does UID Mean to Our Industry?

DoD Mandated IUID Data Deliverables require a continuous flow of information between Customer (DoD) – Prime Contractor – Suppliers:

- **Prime to Supplier:** The prime must inform all partners/suppliers of the IUID Data requirements for specific items/parts. (The Purchase Order is the legal document to 'flow down' of requirements.)
- **Supplier to Prime:** IUID Data Deliverables must accompany the item/part when delivered to the prime contractor. (To ease the burden of many different procedures, a common industry approach is needed.)
- **Prime to DoD:** Per contract, the prime must submit IUID Data to the DoD Wide Area Work Flow System (WAWF) and to the DoD IUID Registry. (Each Prime is in the process of developing this capability.)



Common Industry Approach



Issue: A common approach to exchanging IUID data between Partners and Primes is critical to the Primes' ability to deliver and maintain accurate IUID data to the DoD.

Solution: AIA member companies chartered the Electronic Enterprise Integration Committee (EEIC) to develop this common solution set for the Aerospace Industry.

Scope: Provide a common set of data exchange formats and methods from which each Partner/Prime pair can select the options that meet his/her technical capabilities.

Benefits: Use of this Industry wide Best Practice will facilitate, simplify, and reduce the cost of compliance with DoD IUID requirements by:

- Minimizing the number of data formats and data exchange methods required for partners to support.
- Limiting the number of interfaces needed by primes and partners from their legacy systems.

Deliverable: "Industry Guideline" for implementing Partner to Prime data exchange formats and methods.

Aerospace IUID Data Exchange Guideline



Project Steps:

- 1. Develop Data Formats and Exchange Methods based on Industry Input and DoD Specifications.**
- 2. Validate Formats and Methods via Industry Pilot.**
- 3. Release Draft to Industry for Review and Comment.**
- 4. Approved by eBSG for Release on 9/21/2005.**
- 5. Available on AIA Web-site since 10/06/2005.**
- 6. Communicated to Industry via:**
 - Email to all AIA Member Companies, NDIA, GEIA, DAU**
 - Notification in AIA Daily, Weekly and Monthly News letters to all membership.**
- 7. Guideline will be Supported and Maintained by AIA / Electronic Enterprise Integration Committee (EEIC).**

Aerospace IUID Data Exchange Guideline



Guideline Highlights:

- **AIA/EEIC Team Worked with the DoD UID Development Team to Harmonize the Industry Data Exchange Flat File Format with the DoD IUID Flat File Specification.**
- **The Industry Data Exchange XML and Excel Formats are based on the Industry Data Exchange Flat File Format.**
- | | |
|--|------------------------------|
| Data Exchange Formats
Methods | Data Exchange |
| Email, FTP, Web Portal | XML, Flat file, Excel |
- **Partners Can Choose the Data Exchange Format and Method that Match Their Technical Capabilities and Needs from this Limited Set.**

IUID Industry Flat File Format & Dictionary

Microsoft Excel - AIA IUID Flatfile Specification.xls

Type a question for help

	A	B	C	D	E	F	G	H	I
	Data Elements	Format	Min/Max	Industry Req	Industry / DoD Description	DoD Req	Additional Industry Guidelines		
		A - Alpha Character Only, AN - Alpha Numeric, Nv - Numeric Only (v = number of decimals), R - Real Number, DT - Date CCYY-MM-DD							
		M - Mandatory, C - Conditional, O - Optional, I - Industry Defined							
19	UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of all items listed in the registry.	M			
20	ItemType	A	3/3	M	Flag that identifies the item as an end item or an embedded item. Select from the following list: END - End Item EMB - Embedded Item	M			
21	PopulationType	A	3/3	M	Flag that identifies the population an item belongs to. Select from the following list: NEW - Newly purchased item LEG - Government owned item in the custody of a government entity PPC - Government owned item in the custody of a contractor	M			
22	CompliantMarkFlag	A	1/1	M	Flag that states whether the UII is marked on the item in compliance with IUID Policy. Select from the following list: Y - Marked in compliance N - Not marked in compliance	M	If this is set to "N" then at least one instance of the Mark Record below is required.		
	UIIType	AN	3/10	M	Designator to indicate which method has been used to uniquely identify an item. Values: UID1 - UID Construct 1 UID2 - UID Construct 2 VIN - Vehicle Identification Number GRAI - Global Returnable Asset Identifier	M			

AIA Data Dictionary / Notes / Sheet3 /

Ready

Start eB... W... Joi... Pr... UI... D... Bu... Mi... 99% 5:57 PM

Sample of IUID Industry Excel Format

Microsoft Excel - Sample 1 of AIA IUID Excel Spreadsheet.xls

Type a question for help

File Edit View Insert Format Tools Data Window Help

100% Prompt

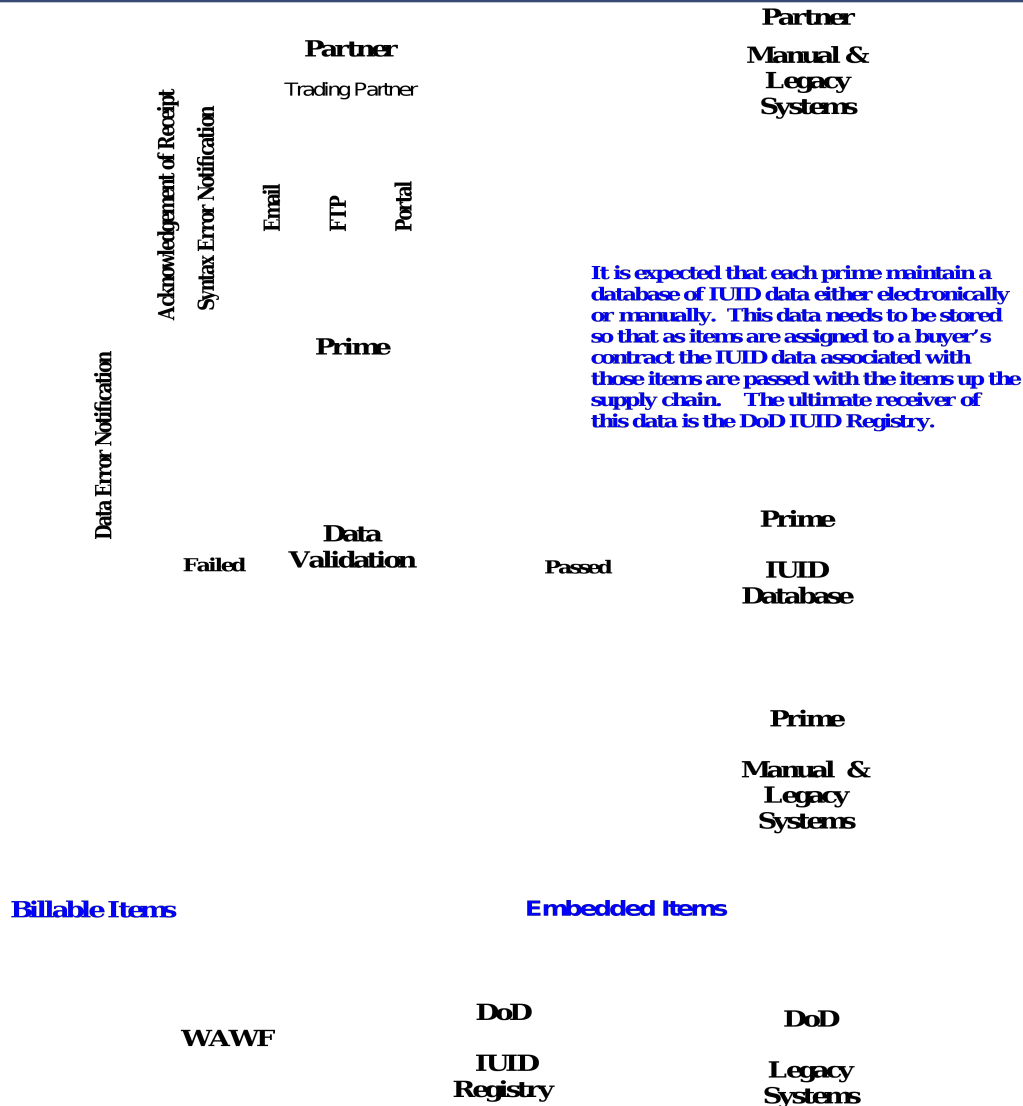
Arial 10 B I U A

	A	B	C	D	E	F	G	H	I	J	K
1	RecordType	RecordNumber	UII	ItemType	PopulationType	CompliantMarkFlag	UIIType	IssuingAgencyCode	EnterpriseIdentifier	BatchLot	OriginalPart
2	A	100	D98765PN12345001	END	NEW	Y	UID2		98765		PN12345
3	A	100	D98765LD22222093	EMB	NEW	Y	UID2		98765		LD122222
4	A	100	D987651559	END	NEW	Y	UID1		98765		RD6666666
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Ready

Header Item Custody Mark Part Number Change Parent Change Trailer

Partner to Prime to WAWF Data Flow



Resource Links



- **Aerospace Industry Association** <http://www.aia-aerospace.org>
- **Aerospace Industry Association / LIBRARY / eBUSINESS DOCUMENTS**
<http://www.aia-aerospace.org/library/ebusiness/ebusiness.cfm>

This site contains the:

- Aerospace Industry Guideline for IUID Data Exchange Between Partner and Prime
- Aerospace Industry Model Global Trading Partner Agreement

- **OSD Defense Procurement and Acquisition Policy / UID** <http://www.acq.osd.mil/dpap/UID>

This site contains the DoD data formats and educational material, such as UID 101, to assist you in supplying data directly to the DoD.

- **Wide Area Work Flow** <https://wawf.eb.mil/>

This site contains information on how to obtain access to the Wide Area Work Flow system.

- **Unique Identification Registry** <https://www.bpn.gov/iuid/>

This site contains information on how to directly access to the UID Registry system.

EEIC IUID Guideline Team Members



- Erickson, Richard LMCO
- Garcia, Curt Raytheon
- Grieger, Brian LMCO
- Lucaciu, Dave Vought Aircraft
- Neil, Monika AIA
- Robinson, Nancy Raytheon
- Thompson, Evelyn LMCO
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- Smith, Dennis NGC
- Thompson, Evelyn LMCO
- Thompson, Garrison (**Lead**) LMCO
- Vincent, Bob Triumph-Controls Co.
- Warner, Tom Boeing
- Zajackowski Andy Raytheon
- Zirkel, Bill. (**Lead**) NGC